Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/07/2015 12:40 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124955	-1	1.55	124847	1.50
Blue	F	SSC	125000	123464	-2	2.27	124355	1.95
Blue	E	FITC	17374	16753	-4	2.23	945	8.35
Blue	D	PE	22653	22177	-3	1.86	1001	7.50
Blue	B	PerCP-Cy5-5	64987	63567	-3	2.49	1681	12.03
Blue	A	PE-Cy7	74081	73767	-1	3.56	975	22.51
Red	C	APC	61430	60168	-3	3.09	3399	8.06
Red	A	APC-Cy7	88289	88181	-1	3.19	1740	7.75
Violet	B	V450	12535	12209	-3	2.79	756	6.94
Violet	A	V500	47468	46217	-3	2.34	2613	4.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20219	3.62	580	1	N/A	N/A	Pass
Blue	F	SSC	61635	1.32	492	3	N/A	N/A	Pass
Blue	E	FITC	103	31.51	510	1	0.0278	0	Pass
Blue	D	PE	209	22.10	503	2	0.1906	95	Pass
Blue	B	PerCP-Cy5-5	205	35.66	581	1	0.0131	0	Pass
Blue	A	PE-Cy7	76	85.44	639	2	0.0181	6	Pass
Red	C	APC	317	25.40	573	3	0.0227	4	Pass
Red	A	APC-Cy7	111	37.06	550	4	0.0054	1032	Pass
Violet	B	V450	80	36.65	447	-2	0.0630	1804	Pass
Violet	A	V500	172	17.95	475	-3	0.0189	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.77	-31.61	0.91
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.30
Red	15.88	13.07 - 19.61	N/A	N/A	32.11	32.36	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14590

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments